



PTO/SJ/00a (07-05)  
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US Patent & Trademark Office U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number	10/731,669
Filing Date	December 8, 2003
First Named Inventor	Williams, John
Art Unit	2833
Examiner Name	Hammond, Brigitte

(Use as many sheets as necessary)

Sheet	1	of	2	Attorney Docket No: EPC-00007
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### US PATENT DOCUMENTS

Examiner Initial *	Cite No	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
BLS		US-20010024890A1	09/27/2001	Maruyama, S. et al.	12/19/2000
		US-2002/0133941	09/26/2002	Akram, Salman et al.	04/11/2002
		US-2002/0146919	10/10/2002	Cohn, Michael B.	12/31/2001
		US-20020079120A1	06/27/2002	ESKILDSEN, STEVEN R., et al.	08/30/1999
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		US-20050088193A1	04/28/2005	Haga, Tsuyoshi	10/26/2004
		US-20050142900A1	06/30/2005	Boggs, David W., et al.	12/31/2003
		US-20050167816A1	08/04/2005	Khandros, Igor Y., et al.	03/25/2005
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Examiner Initials *	Cite No	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T*
BLS		EP-0839321	01/11/2006	Khandros, Igor Y., et al.	
		WO-199743653A1	11/20/1997	Khandros, I Y., et al.	
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		WO-2005067361A1	07/21/2005	Boggs, D W., et al.	

EXAMINER

Brigitte Hammond

DATE CONSIDERED

3/2/07

Substitute Disclosure Statement Form (PTO-1449)  
\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

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				Application Number	10/731,669
				Filing Date	December 8, 2003
				First Named Inventor	Williams, John
				Art Unit	2833
				Examiner Name	Hammond, Brigitte
Sheet	2	of	2	Attorney Docket No: EPC-00007	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
BA		GUERIN, LUC, et al., "SPRING LAND GRID ARRAY DEVELOPMENT: AN INTEGRATED DEMOUNTABLE SOLUTION", <a href="http://www.chips.ibm.com/news">www.chips.ibm.com/news</a> , MicroNews Third Quarter 2001,(2001),3	

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		Application Number	10/731,659
		Filing Date	December 8, 2003
		First Named Inventor	BROWN, ET AL
		Art Unit	2833
		Examiner Name	HAMMOND, BRIGGITTE R.
		Attorney Docket Number	EPC-00007
Sheet	1	of	2

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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
BA		International Search Report and Written Opinion	10/18/05			<input type="checkbox"/>
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Examiner Signature	<i>B. G. H. H. H. H.</i>	Date Considered	2-19-06
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		Application Number	10/731,669
		Filing Date	December 8, 2003
		First Named Inventor	BROWN, ET AL.
		Art Unit	2833
		Examiner Name	HAMMOND, BRIGGITTE R.
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		Attorney Docket Number	EPC-00007

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
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Examiner Signature	<i>Brigitte Hammond</i>	Date Considered	2-15-06
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PTQ/SB/DBA (10-01)

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Substitute for form 1448A/PTO				<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				Application Number	10/731,669
				Filing Date	December 8, 2003
				First Named Inventor	BROWN, ET AL.
				Art Unit	2833
				Examiner Name	HAMMOND, BRIGGITTE R.
				Attorney Docket Number	EPC-00007
Sheet	1	of	2		

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<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>2</sup> , Number <sup>4</sup> , Kind Code <sup>3</sup> <i>(if known)</i>				
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		<b>Application Number</b>	10/731,669
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Filing Date</b>	December 8, 2003
		<b>First Named Inventor</b>	BROWN, ET AL.
		<b>Art Unit</b>	2833
		<b>Examiner Name</b>	HAMMOND, BRIGGITTE R.
<b>Sheet</b>	2	<b>of</b>	2
		<b>Attorney Docket Number</b>	EPC-00007

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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<b>Examiner Signature</b>	Brigitte HAMMOND	<b>Date Considered</b>	2-19-06
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PTO/SB/08A (10-01)

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/731,669
		Filing Date	December 8, 2003
		First Named Inventor	BROWN, ET AL.
		Art Unit	2833
		Examiner Name	HAMMOND, BRIGGITTE R.
Sheet 1	of 3	Attorney Docket Number	EPC-00007

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number- Kind Code <sup>2</sup> (if known)			
HMA		US-3,543,587	12/01/70	Kawada	
		US-3,670,409	06/20/72	Reimer	
		US-4,548,451	10/22/85	Benarr et al.	
		US-5,173,055	12/22/92	Grabbe	
		US-5,292,558	03/08/94	Heller et al.	
		US-5,299,939	04/05/94	Walker et al.	
		US-5,358,411	10/24/94	Mroczkowski et al.	
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		US-5,483,741	01/16/96	Akram et al.	
		US-5,590,460	01/07/97	DiStefano et al.	
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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
HMA		EP 1208241	01/29/03	Hewlett-Packard Co.		<input type="checkbox"/>
		EP 0692823	01/17/96	Sun Microsystems		<input type="checkbox"/>
		JP 200011443	04/21/00	Hideaki		<input type="checkbox"/>
		JP 2001203435	07/27/01	Sunao		<input type="checkbox"/>
		WO9602088	01/25/96	DiStefano et al.		<input type="checkbox"/>

Examiner Signature	<i>Brigitte Hammond</i>	Date Considered	2-19-06
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		First Named Inventor	BROWN, ET AL.		
		Art Unit	2833		
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BGA		US-6,392,534	05/21/02	Flick	
		US-6,399,800	06/04/02	Khoury et al.	
		US-6,402,526	06/11/02	Schreiber et al.	
		US-6,436,802	08/20/02	Khoury	
		US-6,452,407	09/17/02	Khoury et al.	
		US-6,472,890	10/29/02	Khoury et al.	
		US-6,576,485	09/10/03	Zhou et al.	
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		US-6,700,072	03/02/04	DiStefano et al.	
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		US-6,847,101	01/25/05	Fjelstad et al.	
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		US-6,857,880	02/22/05	Ohtsuki et al.	
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 3 of 3

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**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/731,669
		Filing Date	December 8, 2008
		First Named Inventor	Brown et al.
		Art Unit	2833
		Examiner Name	Hammond, Brigitte E.
		Attorney Docket Number	41455.0007
Sheet 1	of 1		

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
B/E		US-6263566	7/24/2001	Hembree et al.	
		US-2003/0022503	1/30/2003	Clements et al.	
		US-2003/0129868	7/10/2003	Romano et al.	
		US-2002/0055282	5/9/2002	Eldridge et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> , Number <sup>3</sup> - Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
B/E		EP 1 280 241	1/28/2003	Clements et al.		<input type="checkbox"/>
		EP 1 005 086	5/31/2000	Muramatsu et al.		<input type="checkbox"/>
		European Search Report				<input type="checkbox"/>
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Examiner Signature	Brigitte Hammond	Date Considered	2-19-04
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